

### **AMENDMENTS TO THE CLAIMS**

1. (currently amended) Apparatus for treating a subject, comprising:  
a stimulation device, adapted to be placed ~~implanted~~ in a vicinity of a site selected from the group ~~list~~ consisting of: a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG; and  
a connecting element, coupled to the stimulation device, and adapted to be passed through at least a portion of a greater palatine canal of the subject.
2. (original) The apparatus according to claim 1, wherein the portion of the greater palatine canal has a length of at least about 2 cm, and wherein the connecting element is adapted to be passed through the portion.
3. (original) The apparatus according to claim 1, wherein the connecting element comprises at least one mark, adapted to indicate a depth of insertion of the stimulation device in the greater palatine canal.
4. (original) The apparatus according to claim 1, wherein the stimulation device is adapted to stimulate the site, and to configure the stimulation to be sufficient to induce a change in cerebral blood flow of the subject.
5. (original) The apparatus according to claim 1, wherein the stimulation device is adapted to stimulate the site, and to configure the stimulation to be sufficient to modulate permeability of a blood-brain-barrier of the subject.
6. (currently amended) The apparatus according to claim 1, wherein the site includes the SPG of the subject, and wherein the stimulation device is adapted to be placed ~~implanted~~ in the vicinity of the SPG.
7. (currently amended) The apparatus according to claim 1, wherein the site includes a vidian nerve of the subject, and wherein the stimulation device is adapted to be placed ~~implanted~~ in the vicinity of the vidian nerve.

8. (currently amended) The apparatus according to claim 1, wherein the site includes an ethmoidal nerve of the subject, and wherein the stimulation device is adapted to be placed ~~implanted~~ in the vicinity of the ethmoidal nerve.

9. (currently amended) The apparatus according to claim 1, wherein the site includes a retro-orbital branch of the SPG of the subject, and wherein the stimulation device is adapted to be placed ~~implanted~~ in the vicinity of the retro-orbital branch.

10. (original) The apparatus according to claim 1, comprising an introducer, adapted for mounting the stimulation device thereon, and to be passed through the at least a portion of the greater palatine canal.

11. (previously presented) The apparatus according to claim 1, wherein the stimulation device comprises at least one electrode.

12. (original) The apparatus according to claim 11, wherein the electrode is configured to wrap around a nerve of the subject in the vicinity of the site.

13. (previously presented) The apparatus according to claim 1, comprising a stimulator, coupled to the connecting element, and adapted to be fixed to a hard palate of the subject.

14. (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to the hard palate in a suprapariosteal region thereof.

15. (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to an upper surface of the hard palate in a nasal cavity of the subject.

16. (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to a lower surface of the hard palate.

17-24. (canceled)

25. (currently amended) A method ~~for implanting a treatment stimulation device in a vicinity of a site of a subject~~, comprising:

passing ~~[[the]]~~ a treatment stimulation device through a greater palatine foramen of ~~[[the]]~~ a subject; and

bringing the device into contact with ~~[[the]]~~ a vicinity of ~~[[the]]~~ a site of the subject, the site selected from the group list consisting of: a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG.

26. (currently amended) A method ~~for implanting a treatment stimulation device in a vicinity of a site of a subject~~, comprising:

passing ~~[[the]]~~ a treatment stimulation device through at least a portion of a greater palatine canal of ~~[[the]]~~ a subject; and

bringing the device into contact with ~~[[the]]~~ a vicinity of ~~[[the]]~~ a site of the subject, the site selected from the group list consisting of: a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG.

27. (previously presented) The method according to claim 25, wherein the site includes the SPG of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the SPG.

28. (previously presented) The method according to claim 25, wherein the site includes a vidian nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the vidian nerve.

29. (previously presented) The method according to claim 25, wherein the site includes an ethmoidal nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the ethmoidal nerve.

30. (previously presented) The method according to claim 25, wherein the site includes a retro-orbital branch of the SPG of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the retro-orbital branch.

31. (previously presented) The method according to claim 25, wherein bringing the device into contact comprises:

applying stimulation with the device;

observing one or more physiological responses of the subject to the stimulation; and

verifying desired placement of the device responsive to the observation.

32. (previously presented) The method according to claim 25, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to induce a change in cerebral blood flow of the subject.

33. (previously presented) The method according to claim 25, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to modulate permeability of a blood-brain-barrier of the subject.

34. (previously presented) The method according to claim 25, wherein the stimulation device includes at least one electrode, and wherein bringing the device into contact comprises bringing the electrode into contact with the vicinity of the site.

35. (original) The method according to claim 34, wherein bringing the electrode into contact comprises wrapping the electrode around a nerve of the subject in the vicinity of the site.

36. (previously presented) The method according to claim 25, wherein the stimulation device includes a stimulator, the method comprising fixing the stimulator to a hard palate of the subject.

37. (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a suprapariosteal region of the hard palate.

38. (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to an upper surface of the hard palate in a nasal cavity of the subject.

39. (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a lower surface of the hard palate.

40. (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises determining a depth of insertion of the device in a greater palatine canal of the subject by observing at least one mark on the device indicative of the depth of the insertion.

41. (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises widening a greater palatine canal of the subject using a series of periosteal elevators having successively greater diameters.

42. (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises widening a greater palatine canal of the subject using a series of tools having successively greater diameters.

43. (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises mounting the device on an introducer, and passing the introducer through the greater palatine foramen.

44. (original) The method according to claim 26, wherein passing the device through the portion of the greater palatine canal comprises determining a depth of insertion of the device in the greater palatine canal by observing at least one mark on the device indicative of the depth of the insertion.

45. (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises passing the device through at least about 2 cm of the greater palatine canal.

46. (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises widening the portion using a series of periosteal elevators having successively greater diameters.

47. (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises widening the portion using a series of tools having successively greater diameters.

48. (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises mounting the device on an introducer, and passing the introducer through the portion.

49-64. (canceled)

65. (new) The apparatus according to claim 1, wherein the stimulation device is adapted to be implanted in the vicinity of the site.

66. (new) The method according to claim 25, wherein bringing the device into contact comprises implanting the device in the vicinity of the site.

67. (new) The method according to claim 26, wherein bringing the device into contact comprises implanting the device in the vicinity of the site.

68. (new) The method according to claim 26, wherein the site includes the SPG of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the SPG.

69. (new) The method according to claim 26, wherein the site includes a vidian nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the vidian nerve.

70. (new) The method according to claim 26, wherein the site includes an ethmoidal nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the ethmoidal nerve.

71. (new) The method according to claim 26, wherein the site includes a retro-orbital branch of the SPG of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the retro-orbital branch.

72. (new) The method according to claim 26, wherein bringing the device into contact comprises:

- applying stimulation with the device;
- observing one or more physiological responses of the subject to the stimulation; and
- verifying desired placement of the device responsive to the observation.

73. (new) The method according to claim 26, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to induce a change in cerebral blood flow of the subject.

74. (new) The method according to claim 26, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to modulate permeability of a blood-brain-barrier of the subject.

75. (new) The method according to claim 26, wherein the stimulation device includes at least one electrode, and wherein bringing the device into contact comprises bringing the electrode into contact with the vicinity of the site.

76. (new) The method according to claim 75, wherein bringing the electrode into contact comprises wrapping the electrode around a nerve of the subject in the vicinity of the site.

77. (new) The method according to claim 26, wherein the stimulation device includes a stimulator, the method comprising fixing the stimulator to a hard palate of the subject.

78. (new) The method according to claim 77, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a suprapariosteal region of the hard palate.

79. (new) The method according to claim 77, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to an upper surface of the hard palate in a nasal cavity of the subject.

80. (new) The method according to claim 77, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a lower surface of the hard palate.